Please replace the abstract with the following amended abstract:

A semiconductor device includes a silicon layer on an insulating layer. The silicon layer has a first area and a second area. [[The]] <u>An</u> FD-MOSFET is formed in the first area and [[the]] <u>a</u> PD-MOSFET <u>is</u> formed in the second area. The semiconductor device <u>of the present invention</u> satisfies the following formulas[[;]]: the thickness of the silicon layer is 28 nm to 42 nm, the impurity concentration Df cm⁻³ of the first area is Df \leq 9.29 * 10¹⁵ * (62.46 - ts) and Df \leq 2.64 * 10¹⁵ * (128.35 -ts), <u>and</u> the impurity concentration Dp of the second area is Dp \leq 9.29 * 10¹⁵ * (62.46 - ts) and Dp \leq 2.64 * 10¹⁵ * (129.78 - ts).